

ABSTRACT

Methods, systems, computer program products, and methods of doing business by securely serving content to requesters in a computer networking environment. All content to be served is stored on read-only media (or, alternatively, on media for which write capability can be disabled). By preventing write access, a number of content substitution security exposures (such as Web site defacing) are avoided. Web pages or Web documents to be served cannot be overwritten with alternative content by hacking into a server device when using the teachings of the present invention. Similarly, files provided for downloading from a site using File Transfer Protocol ("FTP") cannot be overwritten with alternative content by hackers. In the unlikely event that an overwriting occurs (e.g. when content is copied from the read-only media into system memory for performance reasons, and security of the memory is somehow compromised), the content will self-repair using teachings of the present invention.